

CLAIMS

1. (Currently Amended) Compound of a thermoplastic synthetic material and a strengthening component, wherein ~~characterized in that~~ the thermoplastic component is synthetic polyester and the strengthening component organic filler.
2. (Currently Amended) Compound as in claim 1, wherein ~~characterized in that~~ the thermoplastic component is polyethylene terephthalate (PET).
3. (Currently Amended) Compound as in claim 1 ~~or 2~~, wherein ~~characterized in that~~ the organic strengthening components fine-particle wood or wood fibers.
4. (Currently Amended) Compound as in ~~one of the claims 1 to 3~~, wherein ~~characterized in that~~ the PET is waste from the collection of used PET products, in particular from the collection of packing material.
5. (Currently Amended) Compound as in ~~one of the claims 1 to 4~~, wherein ~~characterized in that~~ an inorganic filler is provided.
6. (Currently Amended) Compound as in ~~one of the claim 5~~, wherein ~~characterized in that~~ the inorganic filler is provided to influence the moisture resistance and/or the specific weight and/or for coloring.
7. (Currently Amended) Compound as in ~~one of the claims 1 to 6~~, wherein ~~characterized in that~~ an additive is provided to influence electric conductivity, UV

resistance, aging behavior, odor, coatability, bondability, weldability, chipability and/or fire resistance.

8. (Currently Amended) Compound as in ~~one of the claims 1 to 7~~ wherein ~~characterized in that~~ an organic or physical foaming agent is provided to influence porosity and/or thermal characteristics.
9. (Currently Amended) Compound as in ~~one of the claims 1 to 8~~, wherein ~~characterized in that~~ the mixing ratio between wood and synthetic polyester lies within the range from 7:30 to 30:70, in particular from 60:40 to 30:70, and preferably from 50:50 and 30:70.
10. (Currently Amended) Process for the production of a structural part from a compound as in ~~one of the claims 1 to 8~~, wherein ~~characterized in that~~ the compound is produced through thermoplastic conversion, preferably through extrusion or injection molding.
11. (Currently Amended) Process as in claim 10, wherein ~~characterized in that~~ a board-shaped structural part is produced.
12. (Currently Amended) Process as in claim 11, wherein ~~characterized in that~~ the structural part is postprocessed by means of a calendaring device or double band press downstream of the extruder.

13. (Currently Amended) Process as in claim 10, wherein ~~characterized in that~~ a rope-shaped structural part is produced.
14. (Currently Amended) Process as in ~~one of the~~ claims 10 to 13, wherein ~~characterized in that~~ at least one surface of the structural part is provided with a coating.
15. (Currently Amended) Process as in claim 14, wherein ~~characterized in that~~ the surface is laminated with a laminate, an impregnator, a foil, in particular metal foil, with cardboard, with leather, with linoleum, with cork or with wood, in particular veneer.
16. (Currently Amended) Process as in claim 14, wherein ~~characterized in that~~ the surface is coated with a powder coating.
17. (Currently Amended) Process as in claim 14, wherein ~~characterized in that~~ the coating is applied in liquid form.
18. (Currently Amended) Process as in claim 14, wherein ~~characterized in that~~ a color coating, lacquer or artificial resin is used as the liquid coating.
19. (Currently Amended) Process as in claim 14, wherein ~~characterized in that~~ a coating of synthetic material is applied by means of co-extrusion.

20. (Currently Amended) Structural part consisting at least in part of a compound as in ~~one of the claims 1 to 9~~.
21. (Currently Amended) Structural part as in claim 20, wherein ~~characterized in that~~ the structural part has been produced by means of a process according to ~~one of the claims 10 to 19~~.
22. (Currently Amended) Structural part as in claim 20 ~~or 21~~, wherein ~~characterized in that~~ the structural part is used as wall, ceiling or floor covering.
23. (Currently Amended) Structural part as in claim 20 ~~or 21~~, wherein ~~characterized in that~~ the structural part is used as a profile, in particular elements of window frames or door frames.
24. (Currently Amended) Structural part as in claim 20 ~~or 21~~, wherein ~~characterized in that~~ at least one surface of the structural part is provided with a coating.
25. (Currently Amended) Structural part as in ~~one of the claims 20 to 24~~, wherein ~~characterized in that~~ swelling when stored in water for over 2 hours is less than 0.5% and less than 1.0% at 24 hours and more.
26. (Currently Amended) Structural part as in ~~one of the claims 20 to 24~~, wherein ~~characterized in that~~ the change in flexural resistance of the structural part is less than 10% and in particular 8% with artificial weathering for over 400 hours.

27. (Currently Amended) Structural part as in ~~one of the~~ claims 20 to 24, wherein
~~characterized in that~~ the change in flexural resistance of the structural part is less
than 15% and in particular 13% with artificial weathering for over 1000 hours.
28. (Currently Amended) Structural part as in ~~one of the~~ claims 20 to 24, wherein
~~characterized in that~~ the change in flexural resistance of the structural part is less
than 20% and in particular 18% with artificial weathering for over 2016 hours.
29. (Currently Amended) Structural part as in ~~one of the~~ claims 20 to 24, wherein
~~characterized in that~~ the swelling at the edges is less than 2% as measured
according to EN 13329.